

Figure 1A

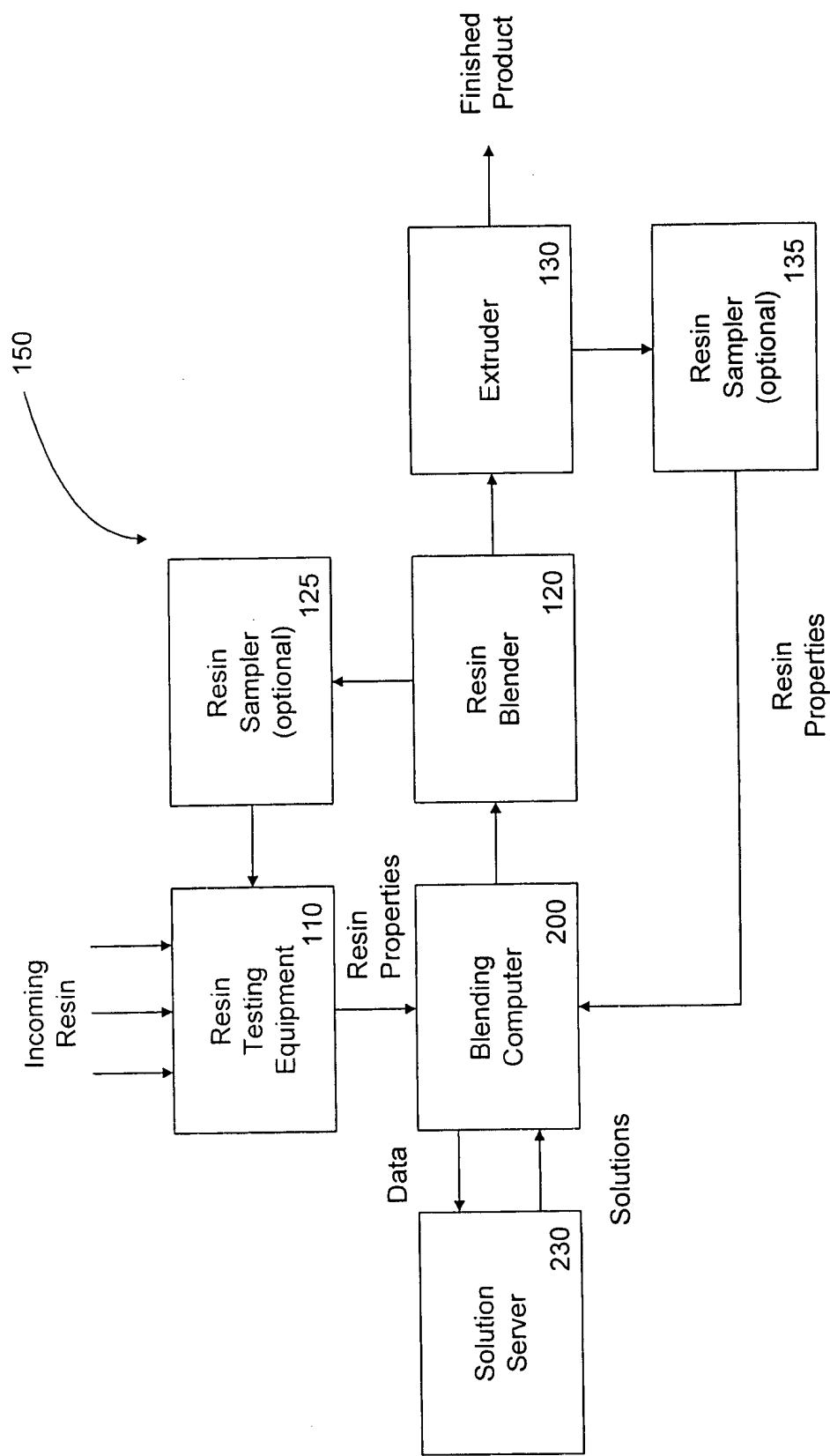


Figure 1B

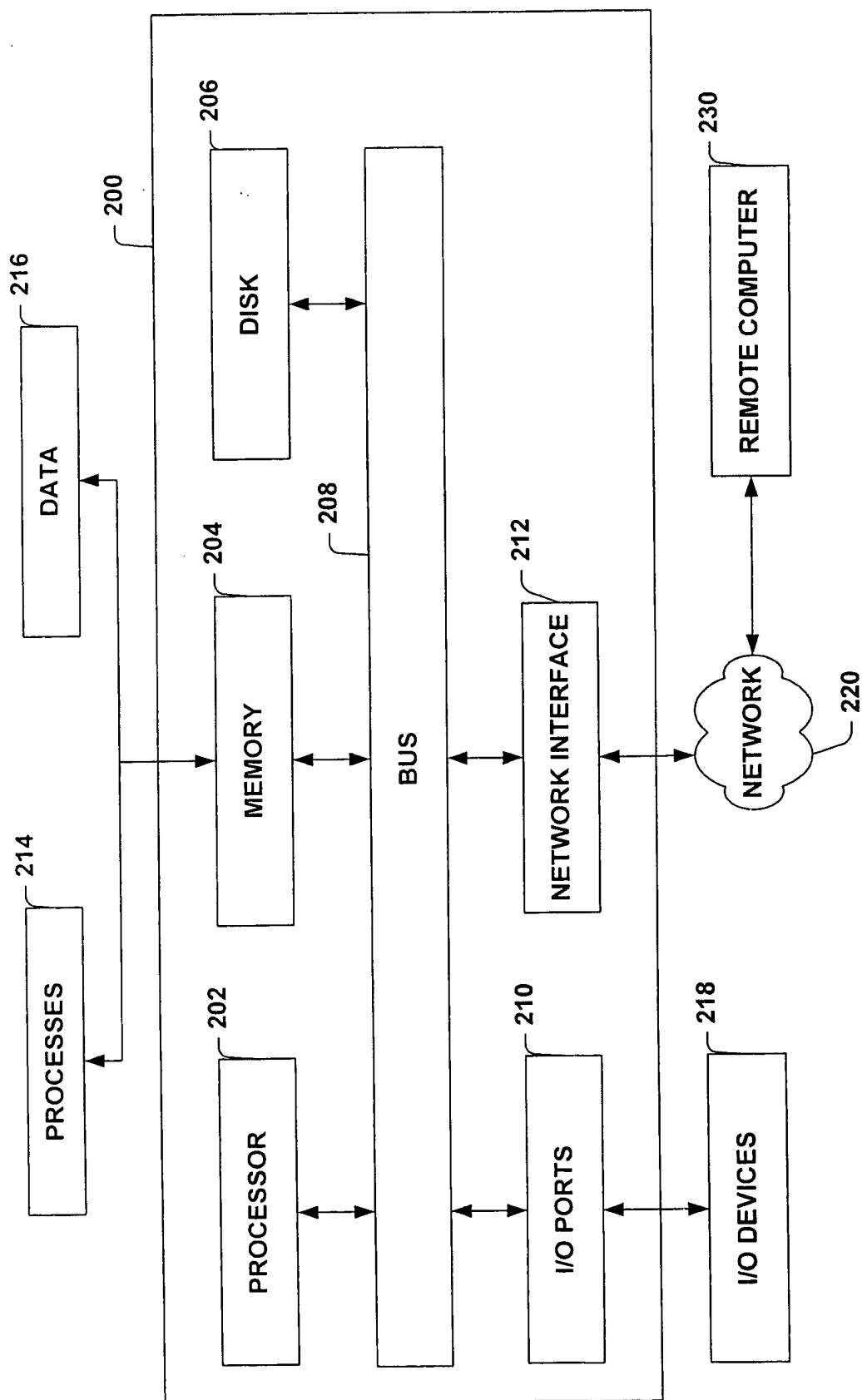


Figure 2

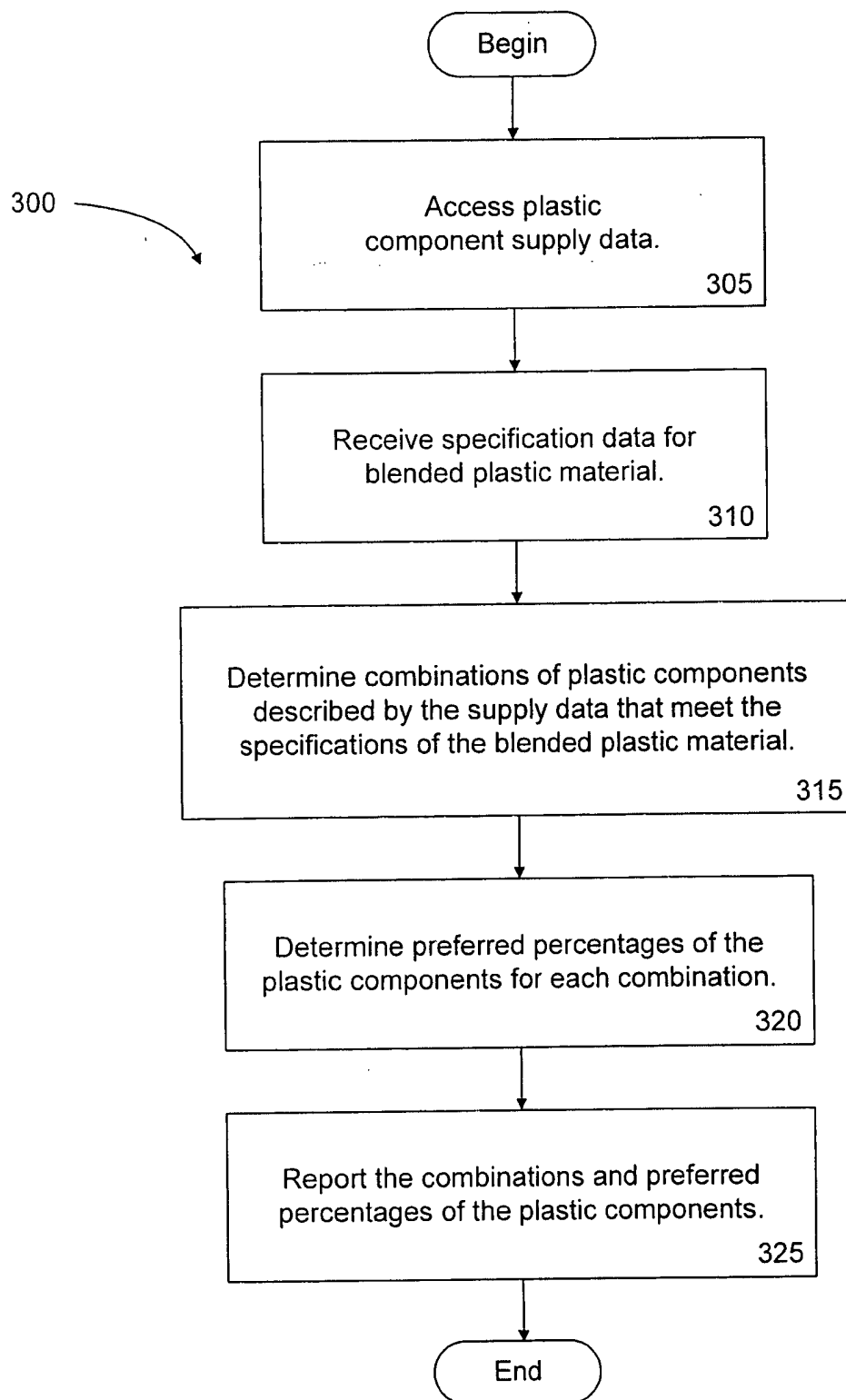


Figure 3

400

ABT Optimiser - Daylen demo.ABT

File

Print

Print

ID	MATERIAL TYPE	VENDOR	PRODUCT	MI	FLEX	IZOD	INCL	R1	R2	R3	PP_PERCENT	MIN_PERCENT	MAX_PERCENT	AVAILABLE_Lbs	COST
1	WS	CPChem	5502	0.35	195	2	24	15	33	412	0	0	100	45000	0.34
2	WS	Equistar	Bi-Medial FI	0.14	178	3	24	43	32	253	0	0	100	180000	0.35
3	WS	CPChem	9656	0.81	208	1.5	24	11	30	306	0	0	100	90000	0.33
4	WS	CPChem	K-2003	0.12	43	15	24	130	5	21	0	0	100	180000	0.34
5	WS	CPChem	D449	0.73	139	3.2	24	32	41	423	0	0	100	180000	0.33
6	WS	CPChem	H524	0.06	165	11.4	24	61	53	454	0	0	100	10000	0.33
7	WS	CPChem	9695	0.45	238	2	24	6	25	407	0	0	100	180000	0.35
8	WS	Broker	Ini.	2.08	191	3	24	25	23	116	0	0	100	180000	0.32
9	Natural RG	Broker	Dary	0.62	230	1.3	24	11	25	270	0	0	100	42000	0.26
10	Natural RG	Broker	HIC	0.32	187	2.5	24	23	26	307	0	0	100	41000	0.24
11	Repro	Broker	Tyvek	0.61	209	9	24	70	12	250	0	0	100	42500	0.25

Density

Flex

0.0

Next

Edk Components

Edk Constraints

Report

(C) Advanced Blending Technologies LLC

Density

FLEX

0.0

Next

Edit Components

Edit Constraints

Report

(C) Advanced Blending Technologies LLC

Figure 4

500

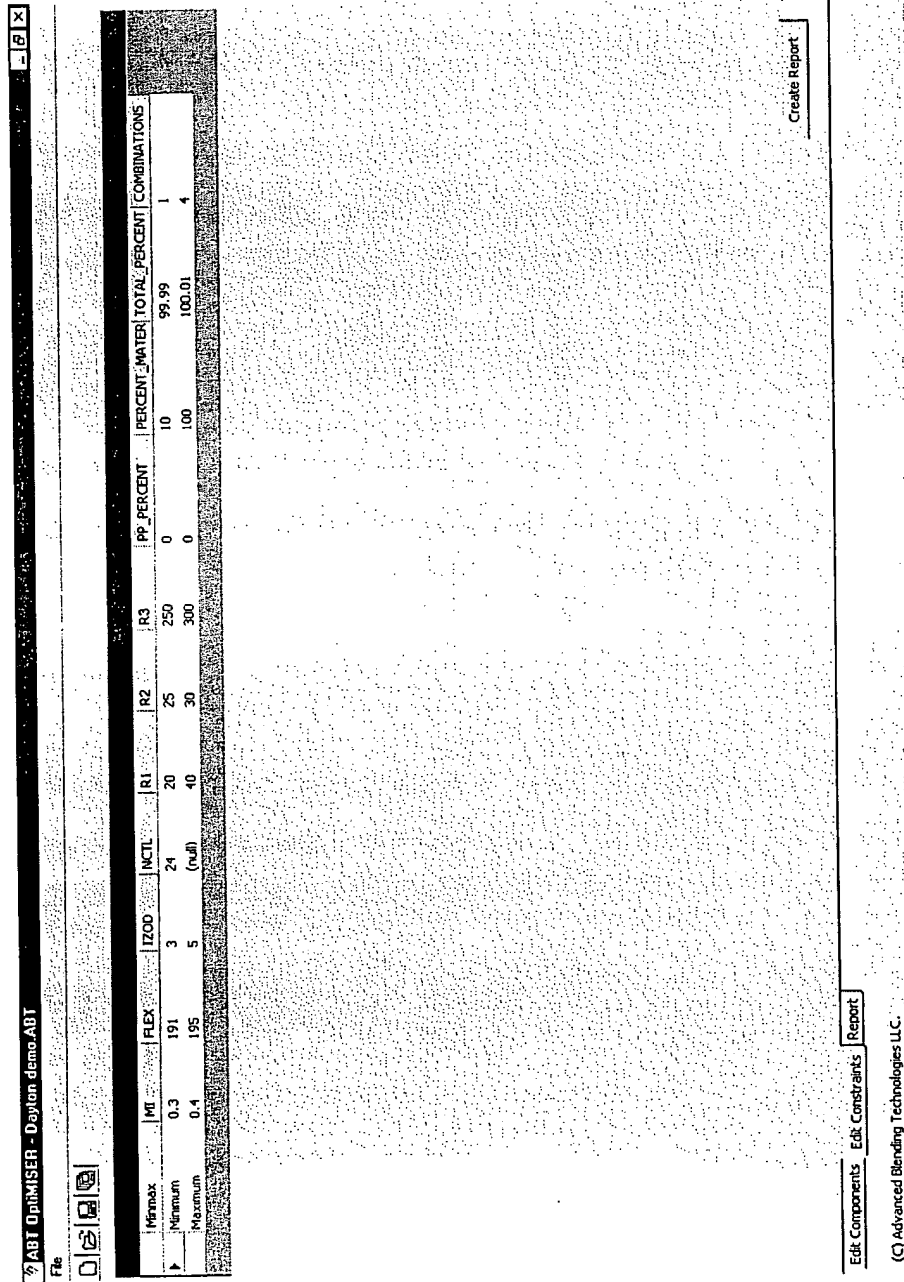


Figure 5

600

ABT Optimiser - Dayton demo.ABT

File

SolventID	MI	FLEX	DENSITY	IZOD	NTCL	R1	R2	R3	PP_PERCENT	COST	Lbs
1	0.346	191	0.9531	3	24	32.274	25	289.961	0	0.2664	68927
2	0.315	193	0.9534	3	24	33.892	25	281.956	0	0.2685	79887
3	0.314	194	0.9536	3.01	24	31.147	25	300	0	0.2711	69163
4	0.323	191	0.953	3.24	24	34.604	25	300	0	0.2717	79044
5	0.362	191	0.953	3	24	27.877	30	295.397	0	0.2717	58103
6	0.387	191	0.953	3	24	25.803	28.431	300	0	0.2775	69697
7	0.361	195	0.9539	3.03	24	40	25	263.33	0	0.2788	68606
8	0.344	192	0.9533	3	24	36	29.352	272.755	0	0.2904	42737
9	0.4	195	0.9539	3.25	24	40	25.941	281.643	0	0.2962	153426
10	0.3	191	0.953	3	24	37.417	27.04	287.476	0	0.2994	55053
11	0.4	195	0.9539	3.68	24	40	25.157	293.366	0	0.3121	130021
12	0.344	195	0.9539	3.63	24	40	29.303	300	0	0.3155	72315
13	0.335	195	0.9539	3.45	24	40	26.134	300	0	0.3156	143932
14	0.3	195	0.9539	3.09	24	40	26.706	263.091	0	0.3162	200763
15	0.4	194	0.9537	3.31	24	40	25.78	251.377	0	0.318	175733
16	0.347	195	0.9539	3.2	24	40	26.349	268.479	0	0.3187	168569
17	0.357	195	0.9539	3.53	24	40	25.411	250	0	0.3247	211980
18	0.4	191	0.953	3.88	24	34.631	28.071	298.248	0	0.3368	49841
19	0.4	191	0.953	3.25	24	32.567	30	252.211	0	0.3372	90355

Solution Components

Edit Components Edit Constraints Report

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610

Figure 6

700

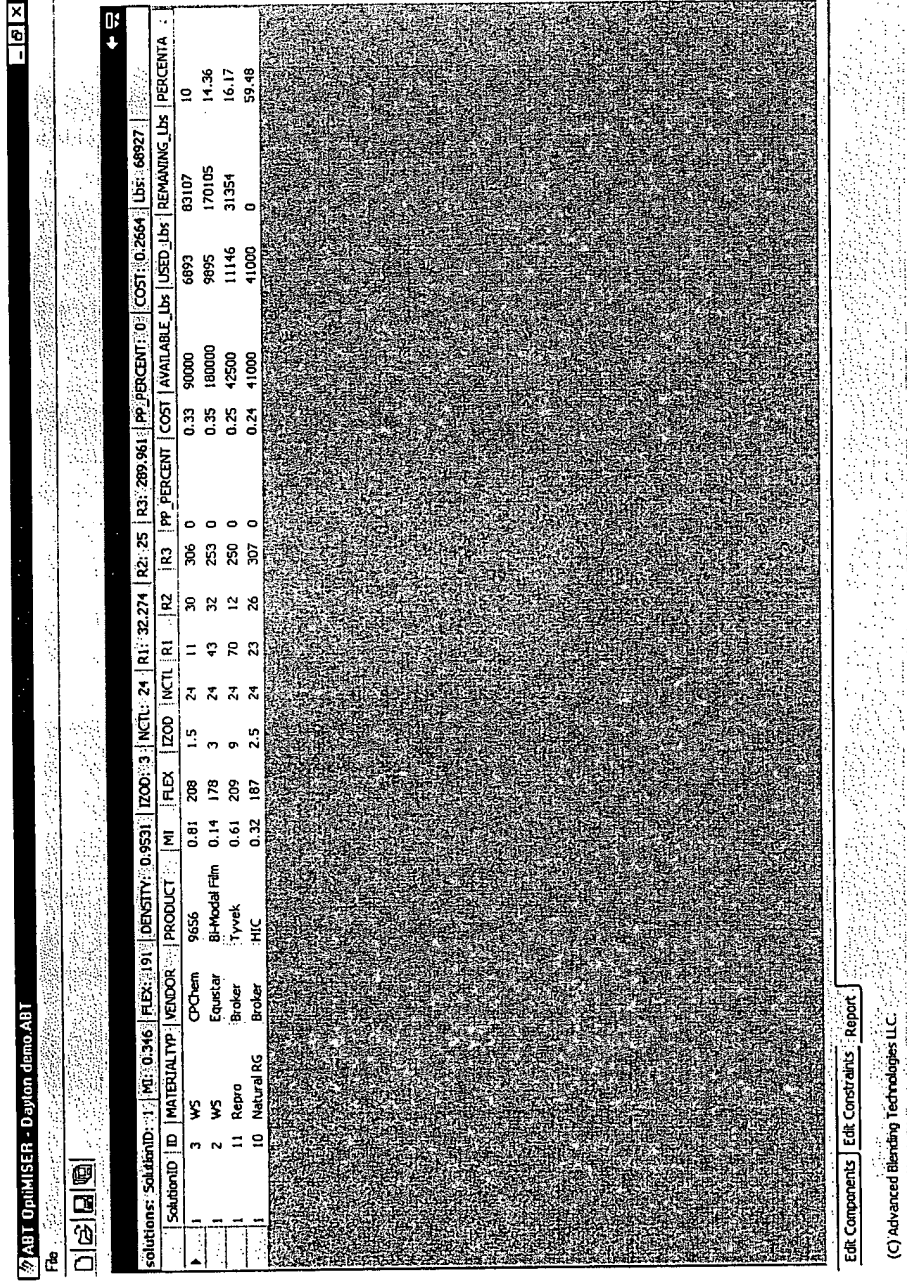


Figure 7

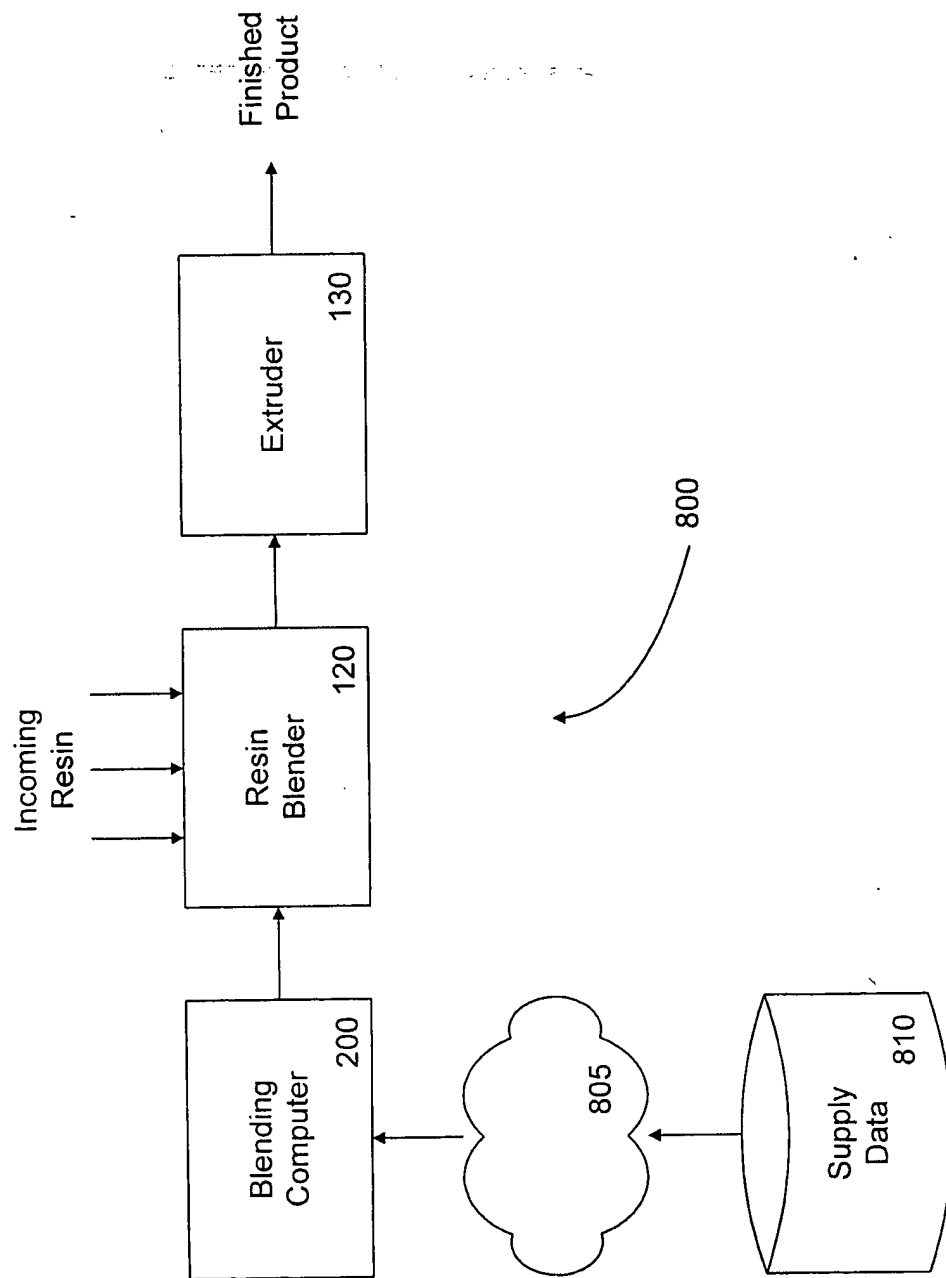


Figure 8

ID	Material Type	Vendor	Product	MI	Flex	Izod	INCTL	R1	R2	R3	PP Percent	Min Percent	Max Percent	Available Lbs	Cost
1	Prime	Equistar	4689	0.14	178	3	102	43	32	180	0	0	100	180000	0.45
2	Prime	CPChem	9656	0.46	201	2.1	27	15	30	306	0	0	100	90000	0.43
3	Prime	Exxon	249	0.34	139	3.2	25	32	41	312	0	0	100	180000	0.41

900

5905

FIGURE 9

1010 1015 1020 1025 1030 1035 1040 1045 1050 1055 1060 1065 1070

Min/Max	MI	Flex	Izod	NGTIL	R1	R2	R3	PP Percent	Percent Mat	Combinations	Select Database	Database Components
Minimum	0.3	185	2	24	20	25	175	0	10	3	MatWeb	1
Maximum	0.5	195	5	[null]	40	40	310	1	100	3		1

Edit Components Edit Constraints Report Report Detail

1005

FIGURE 10

Solution	MI	Flex	Izod	NCITL	R1	R2	R3	PP Percent	Gost	Blend Pounds
1	0.39	188	2.7	32	33.5	37.5	226	0	0.404	225028
2	0.347	185	2.8	37	36.3	37.7	214	0	0.406	225028
3	0.358	191	2.7	37	34.6	36.6	213	0	0.408	225028
4	0.382	185	2.4	30	21.5	32.6	295	0	0.427	132498

Edit Components

Edit Constraints

Report

Report Detail

FIGURE 11

1210

Solution, 1																						
ID	Material Type	Vendor	Product	MI	Flex	zod	NCITL	R1	R2	R3	PP	Percent	Cost	Available	Lbs	Used	Lbs	Remaining	Lbs	Percentage		
2	Prime	✓	CPCChem	9656	0.46	201	2.1	27	15	30	306	0	0.43	90000		22503		67497		10		
1	Prime		Exxon	249	0.34	139	3.2	25	32	41	312	0	0.41	180000		22503		157497		10		
A	WebBuy		Formosa	3452	0.39	192	2.7	34	36	38	206	0	0.40	180000		180000		0		80		

1220

1230

1205

FIGURE 12.

ID	Material Type	Vendor	Product	MI	Flex	Izod	NGTIL	R1	R2	R3	PP Percent	Min Percent	Max Percent	Available Lbs.	Cost
1	Prime	Equistar	4689	0.14	178	3	102	43	32	180	0	0	100	180000	0.45
2	Prime	CPCChem	9656	0.46	201	2.1	27	15	30	306	0	0	100	90000	0.43
3	Prime	Exxon	249.73	0.34	139	3.2	25	32	41	312	0	0	100	180000	0.41

Edit Components
Edit Constraints
Component to Cost
Report
Report Detail

1300

FIGURE 13

1410

Min/Max	MI	Flex	Izod	NGTIL	R1	R2	R3	PP Percent	Percent Material	Combinations	Desired Blend Cost
Minimum	0.3	185	2	24	20	25	175	0	10	3	0.4275
Maximum	0.5	195	5	[null]	40	40	310	1	100	3	

Edit Components	Edit Constraints	Component to Cost	Report	Report Detail
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1400

FIGURE 14

ID	Material Type	Vendor	Product	MI	Flex	Izod	NC TL	R1	R2	R3	PP Percent	Min Percent	Max Percent	Available Lbs.
2A	Prime	Dow	5109	0.31	189	2	88	32	37	183	0	0	100	180000

1500
A

FIGURE 15

Solution	MI	Flex	Izod	NCITL	R1	R2	R3	PP Percent	Cost	Blend Pounds
1	0.3	189	2.1	78	35.8	35.7	197	0	0.4275	230221
Edit Components				Edit Constraints	Component to Cost			Report	Report Detail	

A
1600

FIGURE 16

1710

ID	Material Type	Vendor	Product	MI	Flex	Izod	NCTL	R1	R2	R3	PP Percent	Cost	Available Lbs	Used Lbs	Remaining Lbs	Percentage
2A	Prime	Dow	5109	0.31	189	2	88	32	37	183	0	0.424	180000	180000	0	78.2
1	Prime	Equistar	4689	0.14	178	3	102	43	32	180	0	0.450	180000	23022	156978	10.0
2	Prime	CPChem	9656	0.46	201	2.1	27	15	30	306	0	0.430	90000	27176	62824	11.8

Edit Components Edit Constraints Component to Cost Report Report Detail

1700

FIGURE 17